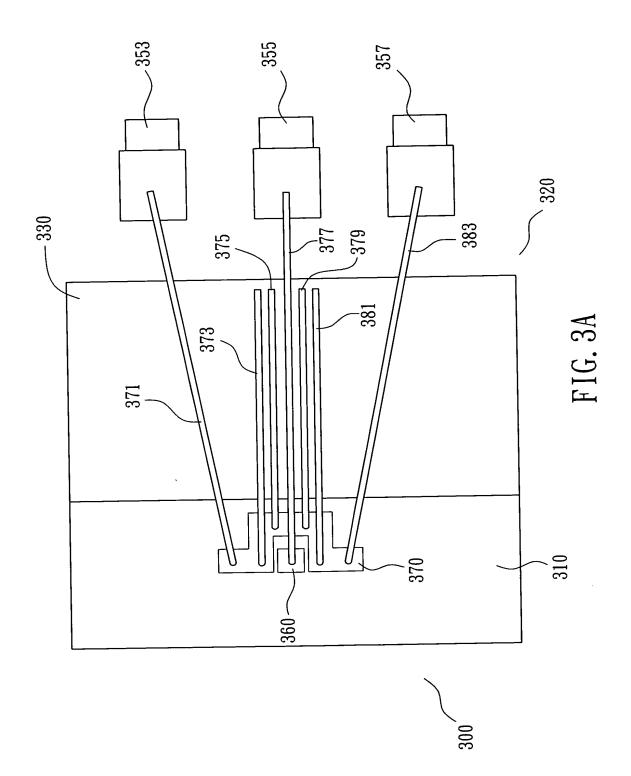
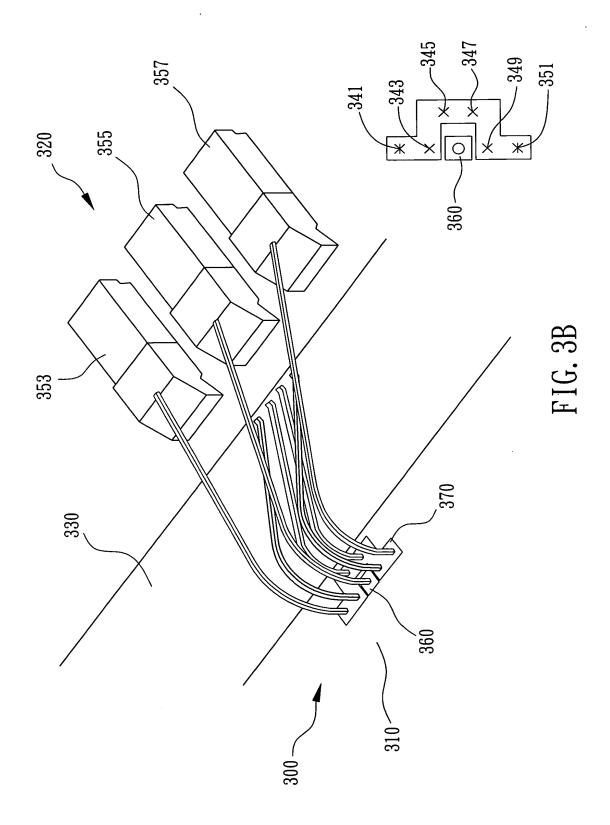
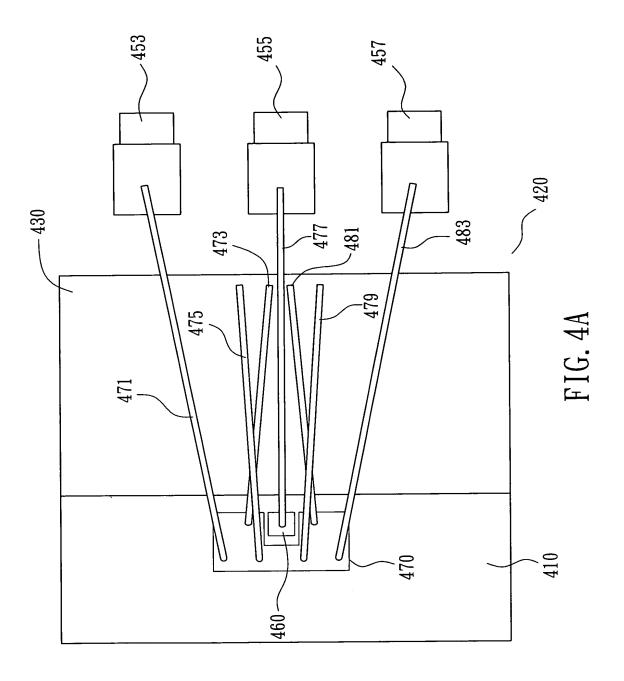
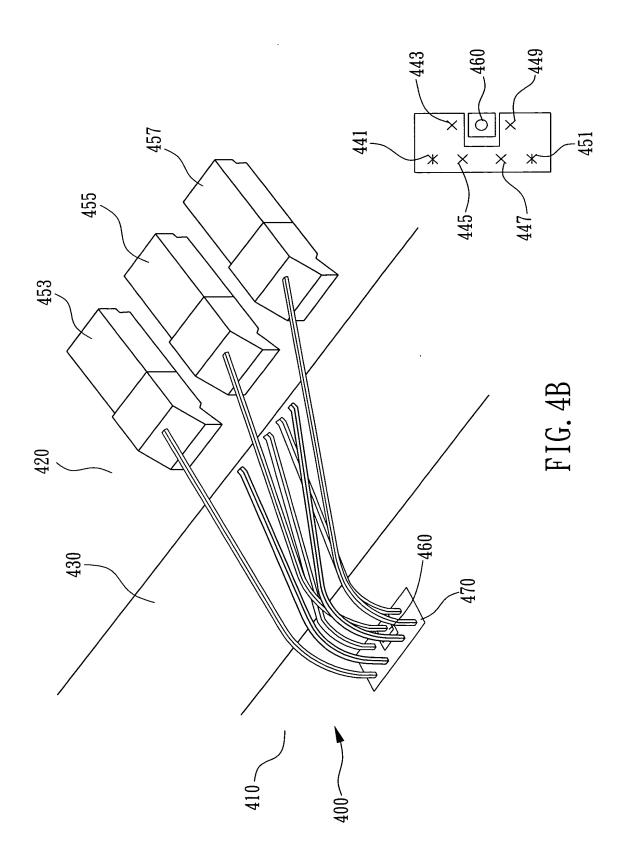


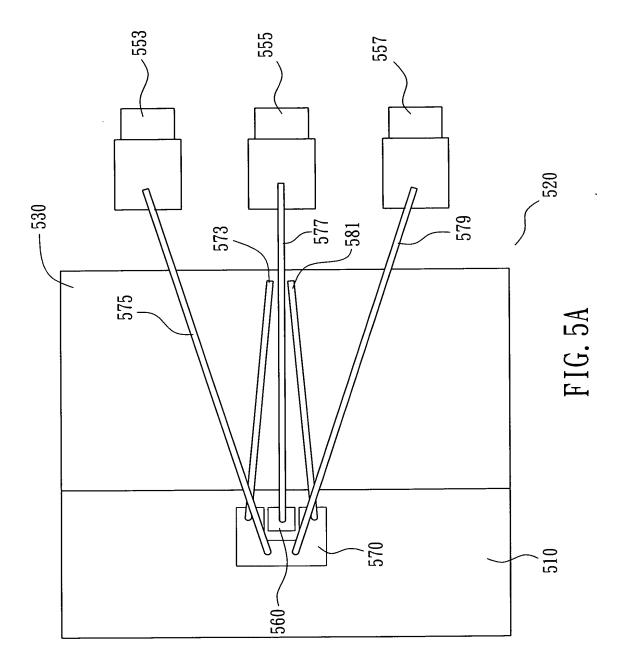
FIG. 2

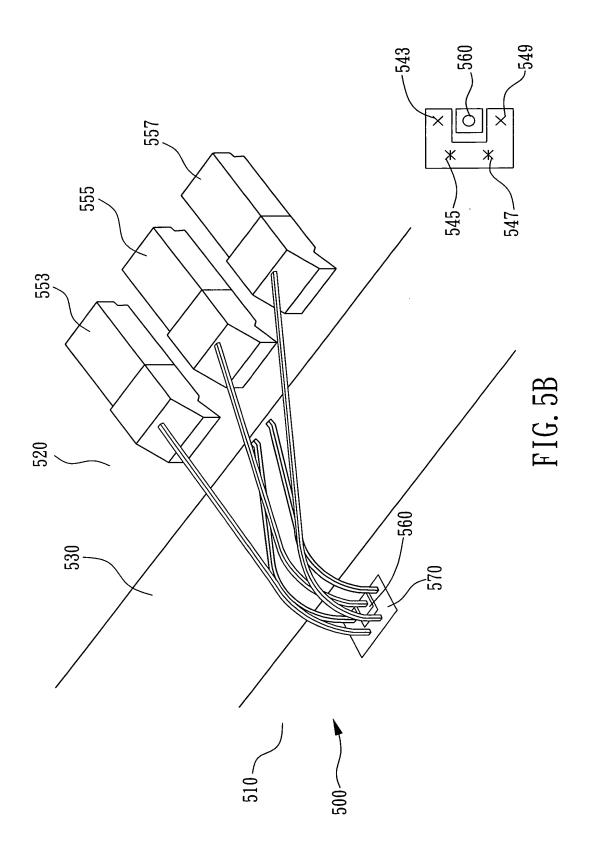












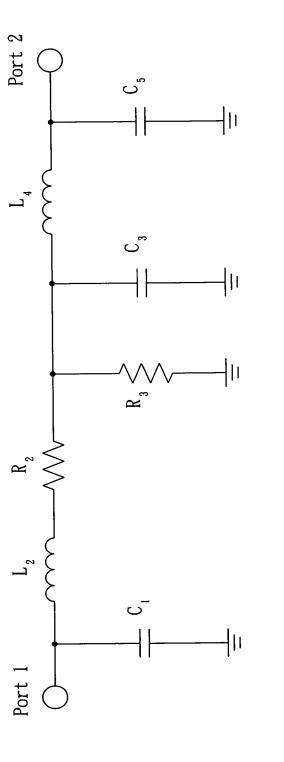
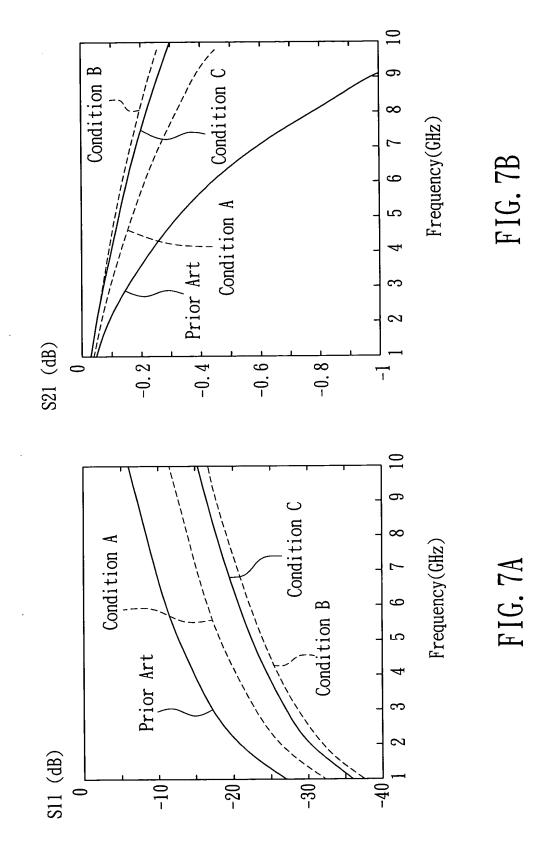


FIG. 6



		Annrovimate
	Parameters of Lumped Circuit of FIG.6	L total \approx C total
	$C_1 = 0.114 \text{ pF}$, $C_3 = 0.257 \text{ pF}$, $C_5 = 0.036 \text{ pF}$,	C ≈ 0.407 nF
Prior Art	$L_2 = 1.325 \text{ nH}$, $L_4 = 0.385 \text{ nH}$, $R_2 = 0.400 \Omega$,	ctotal Co. 10 Lo.
	$R_3 = 13.239 \text{ K}\Omega$	$L_{ m total} pprox 1.710$ nH
	$C_1 = 0.122 \text{ pF}$, $C_3 = 0.240 \text{ pF}$, $C_5 = 0.078 \text{ pF}$,	$C_{\rm coto} \approx 0.440 { m pF}$.
Condition A	$L_2 = 0.919 \text{ nH}$, $L_4 = 0.551 \text{ nH}$, $R_2 = 0.445 \Omega$,	lotai
	$R_3 = 10.213 \text{ K}\Omega$	$L_{\rm total} \approx 1.470$ nH
	$C_1 = 0.115 \text{ pF}$, $C_3 = 0.245 \text{ pF}$, $C_5 = 0.077 \text{ pF}$,	$C_{\text{col}} \approx 0.437 \text{ pF}$.
Condition B	$L_2\!=\!0.757$ nH , $L_4\!=\!0.529$ nH , $R_2\!=\!0.333$ Ω ,	1000
	R ₃ =17.998 ΚΩ	$L_{ m total} pprox 1.286$ nH
	$C_1 = 0.115 \text{ pF}$, $C_3 = 0.243 \text{ pF}$, $C_5 = 0.076 \text{ pF}$,	$C_{\text{total}} \approx 0.434 \text{ pF}$,
Condition C	$L_2\!=\!0.788$ nH , $L_4\!=\!0.524$ nH , $R_2\!=\!0.372$ Ω ,	10 to 1
	$R_3 = 14.614 \text{ K}\Omega$	$L_{ m total} pprox 1.312$ NH

Table 1

	2.5 GHz	GHz	5 GHz	Z	10	10 GHz
	Return	Insertion	Return	Insertion	Return	Insertion
	Loss(dB)	Loss(dB)	Loss(dB)	Loss(dB)	Loss(dB)	Loss(dB)
Prior Art	19.37	0.12	13.42	0.32	6.86	1.23
Condition A	24.71	0.08	18.80	0.16	12. 29	0.45
Condition B	30.10	0.07	24.17	0.12	17.01	0.26
Condition C	28. 79	0.07	22.85	0.12	15. 78	0.29

Table 2